TEMPERATURE

AVERAGING TEMPERATURE SENSORS **ACI AVERAGING SERIES**



DESCRIPTION

The ACI Series Averaging Thermistor and RTD Sensors are designed specifically for HVAC system temperature control. The averaging sensors come in thermistor and RTD sensor curves compatible with most BAS systems available today. Averaging sensors come with a foambacked handy box and in 12' (3.7m) or 24' (7.3) lengths.

The ACI Averaging Sensor should be mounted across a duct in a serpentine fashion with bends in a smooth ark using an M-648-K or CC-1G-K clip. The RTD probe is sensitive for the entire length, while the thermistor is sensitive at nine evenly spaced sensor locations. Use standard metal screws to secure to the duct.

FEATURES

- Lengths of 12' (3.7 m) or 24' (7.3 m)
- Two-year warranty
- Bendable copper



SPECIFICATIONS

Accuracy **Thermistor** ±0.36°F (0.2°C) ±0.5°F (0.28°C) **RTD**

Sensor Type

Thermistor 10 kΩ Type II & III, 20 kΩ, 100 kΩ **RTD** 100Ω , 1000Ω 385 curve -40° to 302°F (-40° to 150°C)

Temperature Range

Stability

Thermistor/RTD 0.24°F (0.13°C) over five years **Heat Dissipation** Thermistor, 3 mW/°C (power needed to raise the temperature

> by 1°C) NEMA 1, Galvanized metal box

Enclosure Rating Wiring Terminations

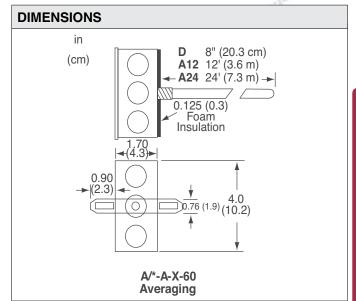
Weight

12' 24'

1.2 lb (0.54 Kg) 2.12 lb (0.96 Kg)

10" of 22 AWG wire or terminal strip

Approvals RoHs Warranty 5 years



ORDERING INFORMATION

MODEL	DESCRIPTION
A/AN-A-12-GD	Averaging sensor with 12' (3.6 m) length, 10 k Ω thermistor, Type 3 (ACI/AN-A12)
A/CP-A-12-GD	Averaging sensor with 12' (3.6 m) length, 10 k Ω thermistor, Type 2 (ACI/CP-A12)
A/20K-A-12-GD	Averaging sensor with 12' (3.6 m) length, 10 k Ω thermistor, Type 42 (ACI/20K-A12)
A/100-2W-A-12-GD	Averaging sensor with 12' (3.6 m) length, 100 k Ω RTD 385 curve, two-wire (ACI/100-2-A12)
A/1K-2W-A-12-GD	Averaging sensor with 12" (3.6 m) length, 1 k Ω RTD 385 curve, two-wire (ACI/1000-2-A12)

RELATED PRODUCTS

CC-1G-K Plastic capillary and sensor holder mounting clip

T85PNR Series Temperature transmitter for type 85, 385 platinum curve sensors, cover mounted **T85U Series** Temperature transmitter for type 85, 385 platinum curve sensor, track mounted

Moisture-resistant three-wire butt splice **UR**